

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/017176

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/26 H04N7/36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, IBM-TDB, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	EP 0 614 312 A (MATSUSHITA ELECTRIC IND CO LTD) 7 September 1994 (1994-09-07) abstract page 2, line 55 - page 3, line 10 page 3, line 53 - page 8, line 45; figures 1-14  ----- -/-	1-4,6,7  5,10 8,9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

31 August 2004

Date of mailing of the international search report

10/09/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BOYCE J M ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "Noise reduction of image sequences using adaptive motion compensated frame averaging" DIGITAL SIGNAL PROCESSING 2, ESTIMATION, VLSI. SAN FRANCISCO, MAR. 23, vol. VOL. 5 CONF. 17, 23 March 1992 (1992-03-23), pages 461-464, XP010058911 ISBN: 0-7803-0532-9	7
A	abstract page 461, left-hand column, line 11 - page 462, left-hand column, paragraph 3 page 462, right-hand column, paragraph 4	1-6,8-10
Y	HAAN DE G ET AL: "MEMORY INTEGRATED NOISE REDUCTION IC FOR TELEVISION" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 42, no. 2, 1 May 1996 (1996-05-01), pages 175-181, XP000596763 ISSN: 0098-3063	5,10
A	abstract page 175, left-hand column, paragraph 2 - page 176, left-hand column, paragraph 1 page 178, last paragraph; figure 7	1-4,6-9
A	GIROD B: "Why B-pictures work: a theory of multi-hypothesis motion-compensated prediction" IMAGE PROCESSING, 1998. ICIP 98. PROCEEDINGS. 1998 INTERNATIONAL CONFERENCE ON CHICAGO, IL, USA 4-7 OCT. 1998, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 4 October 1998 (1998-10-04), pages 213-217, XP010308493 ISBN: 0-8186-8821-1 abstract page 213, left-hand column, paragraph 1 - right-hand column, paragraph 1 page 215, left-hand column, last paragraph - right-hand column, paragraph 2	1-10

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FLIERL M ET AL: "Multihypothesis pictures for 11.26L" PROCEEDINGS 2001 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2001. THESSALONIKI, GREECE, OCT. 7 - 10, 2001, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 3. CONF. 8, 7 October 2001 (2001-10-07), pages 526-529, XP010563399 ISBN: 0-7803-6725-1 the whole document	1-10
P,X	LLACH JOAN ET AL: "H.264 encoder with low complexity noise pre-filtering" PROC SPIE INT SOC OPT ENG; PROCEEDINGS OF SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING; APPLICATIONS OF DIGITAL IMAGE PROCESSING XXVI 2003, vol. 5203, 5 August 2003 (2003-08-05), pages 478-489, XP002292439 SAN DIEGO, CA, USA the whole document	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0614312	A	07-09-1994	US 5361105 A	01-11-1994
			CA 2117006 A1	06-09-1994
			DE 69418244 D1	10-06-1999
			DE 69418244 T2	04-11-1999
			EP 0614312 A2	07-09-1994
			JP 6319136 A	15-11-1994
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